

CLAIMS

What is desired to be claimed in letters patent is:

- 5 1. An electrical connector comprising:
- a first body part;
- a second body part configured to resiliently mate with said first body part;
- said first and second body parts configured to receive insulated conductors therebetween;
- and
- 10 apertures formed in said first body part in a direction orthogonal to said insulated
- conductors, said apertures configured to receive contacts;
- wherein said contacts are configured to penetrate an insulation layer of said insulated
- conductors when said contacts are inserted into said apertures.
- 15 2. The electrical connector according to claim 1, further comprising:
- a first group of channels formed in said first body part and configured to receive said
- conductors; and
- a second group of channels formed in said second body part and configured to receive
- said conductors and to oppose said first group of channels.
- 20 3. The electrical connector according to claim 2, wherein:
- said first and second groups of channels each consist of a pair of channels.

4. The electrical connector according to claim 3, wherein:

said apertures are separated by a distance equal to a spacing between leads of a light emitting diode.

5 5. The electrical connector according to claim 4, wherein:

said contacts are at least partially hollow, and are configured to receive said leads of said light emitting diode.

6. The electrical connector according to claim 1, wherein:

10 said apertures are separated by a distance equal to a spacing between leads of a light emitting diode.

7. The electrical connector according to claim 6, wherein:

15 said contacts are at least partially hollow, and are configured to receive said leads of said light emitting diode.

8. The electrical connector according to claim 1, wherein:

said contacts are at least partially hollow, and are configured to receive said leads of said light emitting diode.

20 9. An assembly for connecting a plurality of light emitting devices in parallel, said assembly comprising:

an electrical supply bus, said bus comprising a pair of insulated electrical conductors;
a plurality of electrical connectors configured to be resiliently attached to said bus;
said connectors comprising a pair of contacts configured to penetrate an insulation layer
of said insulated electrical conductors, said contacts configured to receive leads of said light
5 emitting devices.

10. The assembly according to claim 9, wherein:
said connectors each comprise first and second body parts configured to be resiliently
fastened together.

11. The assembly according to claim 10, wherein:
each said first body part is provided with apertures to receive said contacts.

12. The assembly according to claim 11, wherein:
15 said light emitting devices are light emitting diodes.

13. The assembly according to claim 9, wherein:
said pair of insulated conductors are conjoined mechanically along at least part of a length
of said conductors.

14. The assembly according to claim 9, wherein:
said contacts are at least partially hollow.

15. A method of connecting a plurality of light emitting devices in parallel, said method comprising the steps of:

providing an electrical supply bus, said bus comprising a pair of insulated electrical
5 conductors;

attaching a plurality of electrical connectors to said bus;

penetrating an insulation layer of each said insulated electrical conductor with an
electrical contact, and

connecting leads of said light emitting devices to each said contact.

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16. The method according to claim 15, further comprising a step of:

resiliently fastening together first and second body parts of said connectors.

17. The method according to claim 16, wherein:

15 each said first body part is provide with apertures to receive said contacts.

18. The method according to claim 17, wherein:

said light emitting devices are light emitting diodes.

20 19. The method according to claim 15, wherein:

said pair of insulated conductors are conjoined mechanically along at least part of a length
of said conductors.

20. The method according to claim 15, wherein:
said contacts are at least partially hollow.

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